WITH THE FARMERS

By Prof. W. F. MASSEY

value in the ton of \$-2-2. To make

pounds of filler or sand, and the farmer

Now do not understand that I ac-



Wednesday, September 3, 1913. Malfa Literature. Where can I get the ton you will have to add 791 ulletins or books want to establish pays for sacking and freighting this monstration in

y section of the cuse the manufacturers of fraud, for dedmont country, there is no fraud in it, but it is made ness man and not a to meet the demand from farmers for irmer, but think a low-priced fertilizer and is very farmers by such a demonstration." The

Dual Purpose Cows.

I have heretofore had something to say in regard to what so many are fond of calling dual purpose cows, that is, cows that will give some milk and also reise fine veal calves or beef animals. But the effort to combine two such distinct characters in one animal usually fails. Dr. Taft Butler, in the Progressive Farmer, says on this wat.

The botch adwn by the bacteria or decay and ammonia set free. Then another form of bacteria feed on this dot their shopping on the great fall of the sind and the result is nitric acid from oxidation. Then, when we have nitric acid, it at once unites with the lime or potash in the soil and makes a nitrate that plants can use.

This shows the value in making a be run, but it is certain that all of the soil and the soil and makes a be that special excursion trains will be run, but it is certain that all of mals But the effort to combine two such distinct characters in one animal usually falls. Dr. Taft Butler, in the Progressive Farmer, says on this matter: "It may be set down as a fact from which no man should stray, that it does not pay to milk and feed a poor dairy cow, even if she does produce calves that make fairly good beef animals." If a farmer is interested in dairy products he cannot afford to sactifice milk for the sake of making big calves. He should keep a breed that has been for generations bred to the best dairy type, and which will give him the most profit from the dairy. The calves, of course, will not be great veals, nor make beef stock, but he cannot afford to lose \$20 worth of milk to get a \$16 calf.

On the other hand, the man whose interest is in beef should keep the breed that best suits his postures, and has peen bred to the best beef type.

The fertilizer manufacturers know the value in making a few talue in making a fertilizer in the soil and makes a nitrate that plants the soil and makes a nitrate that plants and the soil and makes a nitrate that plants are suited that plants are soil and makes a nitrate that plants are suited that plants are soil and makes a nitrate that plants are soil and makes a nitrate that plants are suited that plants are soil and makes a nitrate that plants are suited that plants are soil and makes a nitrate that plants are suited that plants are soil and makes a nitrate that plants are suited that plants are suited that special excursion trains will be tun, but it is certain that all of them, but it is certain that all of them. On others it may be that special excursion trains will be run, but it is certain that all of them. On others it may be that special excursion trains will be run, but it is certain that all of them. On others it may be that special excursion trains will be run, but it is certain that all of them on an another to accommodate the people who will be flocking to Richmond during the four days commencing September 23. The commuters' trains and

interest is in beef should keep the breed that best suits his pastures, and has been bred to the best beef type.

This is entirely different from the that farmers consider bone as a better material for phosphoric acid than combined to the best in one animal. The beef man can afford to ignore the dairy products, while the dairyman simply made of acid phosphate or distributions.

In 2,000 pounds of this low grade terminates are making their arrangements for decorations and for twentieth century displays of all kinds of goods.

"Fashion" is not confined to the dry goods, millinery and notion stores. Fashion has sway in the shoe stores, the men's clothing the hat stores, the men's clothing the hat stores, the furnishment of the products of the hat stores the furnishment of the products of the hat stores the furnishment of the products of the hat stores the furnishment of the products of the hat stores the furnishment of the products The beef man can afford to ignore the darry products, while the dairyman can afford to ignore leef calves. We have every now and then of a dairyman who has deep milking Shorthorns. In that case, they have been bred away from the beef type into a dairy type, and may be excellent dairy are poorer beef stock. You cannot get the dairy type and still keep the best beef type, and a specialist in dairy or beef should keep only the type that has beell, bred for his specialty.

Wheat Preparation.

"I think that you uniformly advise"

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bone and potash mixture, and there is not a particle of bone in it, but it is simply made of acid phosphate or dissolved rock phosphate and potash, and a 10-4 mixture will have 1,250 pounds of sand to make the ton. You pounds of sand to make the ton. You can buy the acid phosphate and potash, with 550 pounds of sand to make the ton. You can buy the acid phosphate and potash, with 550 pounds of sand to make the ton. You can buy the acid phosphate and potash and mix it for yourself and save the sand mix it for yourself and save the sale phosphate, as it is also called. This is a byproduct from the Basic process of making steel. The phosphorus is removed from the iron, and is in the slag left. This is proved in the same cannot give the proposition of the first the phosphorus are pounded of acid phosphate or dissolved rock phosphate and ptosh and provided rock phosphate or di

Wheat Preparation.

"I think that you uniformly advise deep plowing and preparation for crops. Why, then, do you advise shallow preparation for the wheat crop." If the disking was done on land that had not been previously well broken the rame season, I would not advise it. But consider the condition of the soil where a fallow is broken early in summer for wheat, and the land kept harrowed the remainder of the season. You then have the ideal conditions for wheat, a well-broken soil early in mixing complete fertilizers with

harrow of the remainder of the season. You then have the ideal condition for wheat, a well-broken soll early in the season, and given time for settling, the best safeguard against winter killing of wheat.

Now when we plow a piece of land deeply for corn in the spring and cultivate the crop well, shallow and level, during the summer, we then well of the soll as that produced by the long summer and make it would not be soll as that produced by the long summer fallow, with its expense without a cop. Then, as in the case of the fallow, we would not replow late in the season, so, in preparing the land after cutting off the corn, all that is needed is the falling of the surface. If I was preparing a fallow for the wheat I would certainly plow deeply, and would plow early in summer, but getting the same conditions in the soil through the plowing for, and the cultivation of, a loced crop like corn or tobseco, it would be damaging to the wheat I would certainly plow deeply in the fall. The shallow preparation of the corn tobseco, it would be damaging to the wheat iter, and the same is true of the winter out to be a condition to the soil is not desirable, but the time of the breaking is the important matter.

And the same is true of the winter out to be a sum of the preading is the important matter. They will print an analysis showing so multiple in the scale of soils, when there is not a particle of soils well as many in the fall of the breaking is the important matter. They will print an analysis showing so multiple in the proposal proposal

CASTORIA ing on the complete in lecting the legumes.

Will Offer Special Inducements to Out-of-Town People.

n alfalfa culture? who buys the low-grade fertilizer MERCHANTS IN UNISON

Are Determined to Show the Very Latest in Quality and Styles.

When any particular class of Rich mond people get truly interested in anything looking to the general good ok on alfalfa is "The Book of the fertilizing value of the ingredients, anything looking to the general good by F. D. Coburn, secretary of As I have before remarked, I went of the city, all other classes very quick-

Ny. F. Massey, demonstration. The only book on alfalfa be "The Book of Affalfa." by P. D. Coburn, secretary of the Kansaa Board of Agriculture, It is published by the Orance Judd Co., of New York City, and costs about \$\frac{2}{3}\$, probably. You can get a bulletin on a fiaffal by applying to the Secretary of alfalfa by applying to the Secretary of language the Virginia Experiment Station on the analysis of the various fertilizers sold in North Carolina, and language the Virginia Experiment Station on the analysis of the various fertilizers sold in North Carolina, and the plant of the process of the carolina and the plant of the process of the carolina and the same pile, for the were all the same pile, for the were all the same pile, for the were all the come from the experiments by the Department of Agriculture. I do not think that the seed is yet in commerce, but I have heard that small amounts are being distributed for trial by the Secretary of Agriculture, Vox care lary of Agriculture, Washington, D. C.

The afield of corn planted in rows four feet nine inches apart and a stalk every tweive inches in the rows, and way the seed is yet in which the seed is yet in commerce, and the seed is yet in commerce, and the seed is yet in commerce, but I have heard that small amounts are being distributed for trial by the Grant of the corn and the seed is yet in commerce, but I have heard that small amounts are being distributed for trial by the seed is yet in commerce, but I have heard that small amounts are being distributed for trial by the seed is yet in commerce, but I have heard that small amounts are being distributed for trial by the seed is yet in commerce, and the seed is yet in commerce and the seed is yet in commerce, and the seed is yet in commerce and the

too, corn must be unusually well bred if every stalk makes an ear. I have seen it bred in that way, but the average cornfield will have 10 per cent or more with no ears.

Dual Purpose Cors.

PRISONER AT BAR

Col. Robert A. Hutchison, Member of Governor's Staff, Jumps on Confederate Veteran.

[Special to The Times-Dispatch.]

And the same is true of the winter cause erop that is put in after a hoed grop. More winter killing is due to rough and loses preparation for this erop than any other cause. In Virginia the sowing should be in September always, and, as the oats go in earlier than wheat, the preparation should be likevise early.

More About Fertilizers.

"I am interested in what you say about fertilizers, and would like to know what you would use to make can mix fertilizers to better advantage at home?"

To make the low-grade 8-2-2 fertilizer, you can mix 769 pounds of 16

all. Nothing serious."

per cent acid phosphate, afty pounds of fish secrap, and eighty pounds of muriate of potash. This will give you 1.209

FOR FLETCHER'S

CASTORIA

have greatly increased, and some of the best farmers use no fertilizer, but one carrying phosphoric acid, either acid phosphate or Thomas phosphate, while others on a different soil use from potash, and some of these farmers average forty bushels of wheat an antif as much when they were depending on the complete fertilizer and neglecting the legumes.

Fair at Staunton Opens.

[Special to The Times-Dispatch.]

Staunton, Va. September 2.—The Shenandoah Valley Fair opened here is average forty bushels of wheat an average forty bushels of

Win \$300 in Gold By Laughing!

For solving seventy-seven pictures, each of which represents the title of a book, The Times-Dispatch will award \$1,200 in prizes, starting with \$300 in gold coin. 'Any of the grand prizes means a start in life for you. Why not start this jolly game of solving pictures, take your share of the prize money, and make your life a little merrier?

What the Booklovers' Contest Is

It simply consists of seventy-seven pictures, one published each day in this paper, and each picture representing the title of a book. To those most successful in telling what book titles the pictures represent will be given absolutely FREE the wonderful prizes

A Catalogue has been issued which contains the very book titles from which the seventy-seven pictures have been drawn to represent. This Catalogue is a list of over 5,000 book titles, and you do not have to be a reader of books to enter this great Booklovers' Game. The Answer Book enables you to make ten answers to each picture, yet you need but one copy of each picture. This saves you the cost of extra pictures and coupons on which to make extra answers, and all you have to do is to paste the picture in the space provided for it, and then below the picture write down your answer or answers in the spaces ruled off for this purpose.

ALL OF THE PICTURES PUBLISHED TO DATE ARE GIVEN TO YOU FREE WITH THE CATALOGUE, SO THERE IS NO REASON WHY YOU SHOULD NOT START IN THE GAME TO-DAY. GET THE CATALOGUE AND ANSWER BOOK, ALL THE PICTURES PUBLISHED TO DATE FREE, AND START TO SOLVE THE PICTURES. YOU CAN DO IT, AND EASILY TOO. WHAT PRIZE ARE YOU GOING TO MAKE UP YOUR MIND TO WIN?

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Start To-Day

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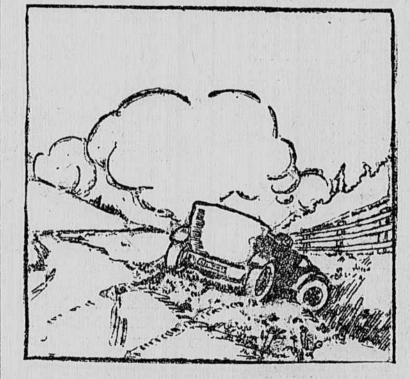
SECOND PRIZE IS \$200 IN GOLD. FOURTH PRIZE IS \$100 IN GOLD. SIXTH PRIZE IS \$50 IN GOLD.

7TH, 8TH, 9TH AND 10TH PRIZES ARE \$25 EACH IN GOLD.

11TH, 12TH, 13TH, 14TH, 15TH, 16TH, 17TH, 18TH, 19TH AND 20TH PRIZES ARE \$10 EACH IN GOLD. TWENTY-FIRST TO FIFTIETH PRIZES ARE \$5.00 EACH IN GOLD.

SO YOU GET INTO THIS GREAT GAME TO-DAY AND WIN YOUR SHARE OF THIS MONEY.

The Times-Dispatch's Great \$1200.00 Gold Booklovers' Contest Picture No. 39 Date, September 3d.



What Book Does This Picture Represent? Write Title and Name of Author in Form Below

Title Street and Number

TOTAL NUMBER OF PICTURES, 77. Contest began July 27th. Each day a different picture appears in this space. Cut them out. Save them until the last picture appears on October 11th. Don't send in partial lists. Wait until you have all the answers to the 77. Read Rules, Daily Story and Special Announcements in another part of this paper. It will help you win a prize. Extra pictures and coupons of any date that have appeared may be had at 2c. Enter to-day without registering your name. Mercly Save Pictures and to-day without registering your name. Merely Save Pictures and Coupons as they appear.

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You can enter comest at any time. "Miss Dodge is tired, and has gone away for a few weeks' rest, that is months beginning with issue of day your order is received.

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Booklovers' Contest Editor.

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